AMENDMENTS TO THE CLAIMS

1.   (Currently Amended)   A method for generating grammatical sentences, transforming and canonicalizing semantically structured data, comprising the steps of:

obtaining data from a network of computers;

applying text patterns to the obtained data and placing the data in a first data file;

providing a second data file containing the said text patterns obtained data in a transformed uniform and semantically structured data structure format; and

generating grammatical sentences from the data in said data structure according to a specific canonical user interface in the second data file.

2.   (Original)   The method of claim 1, wherein the step of providing a second data file comprises applying a lexical entry transformation table to transform the obtained data into a common semantic form.

3.   (Original)   The method of claim 2, wherein the step of providing a second data file comprises applying attribute phrase grammars to the obtained data.

4.   (Original)   The method of claim 2, wherein the step of providing a second data file comprises applying term arrangement rules.

5.   (Original)   The method of claim 2, wherein the step of providing a second data file comprises applying a second lexical entry transformation table to transform data to a normalized and tagged format.

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6.   (Original)   The method of claim 1, further comprising storing the second data file in a uniform database.

7.   (Original)   The method of claim 1, wherein the uniform format comprises a

5   normalized and tagged format.

8.   (Currently Amended)   The method of claim 1, wherein the step of generating ~~user interface specific~~ grammatical sentences comprises applying attribute phrase grammars to the data in the second data file to create a parsed

10   form of the data.

9.   (Currently Amended)   The method of claim 8, wherein the step of generating ~~user interface specific~~ grammatical sentences comprises applying lexical entry transformation tables to the parsed form of the data to create a term

15   substituted form of the data.

10.   (Currently Amended)   The method of claim 9, wherein the step of generating ~~user interface specific~~ grammatical sentences comprises applying term rearrangement rules to the term substituted form of the data according to a

20   specific interface to create a rearranged form of the data.

11.   (Currently Amended)   The method of claim 10, wherein the step of generating ~~user interface specific~~ grammatical sentences comprises applying phrase generation grammars to the rearranged form of the data to create

25   interface specific sentences.

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12. (Original) The method of claim 1, further comprising providing voice output corresponding to the interface specific sentences.

13. (Original) The method of claim 12, further comprising communicating the
5   voice output to a telephone.

14. (Currently Amended) A system for <u>generating grammatical sentences,</u> ~~transforming and canonicalizing semantically structured data~~, the system comprising:

10   means for obtaining data from a network of computers;

         means for applying text patterns to the obtained data and placing the data in a first data file;

         means for providing a second data file containing <u>at least a portion of said text patterns</u> ~~the obtained data~~ in a <u>transformed</u> uniform <u>and semantically</u>
15   <u>structured data structure;</u> ~~format;~~ and

         means for generating grammatical sentences from the data <u>in said data structure</u> according to a specific <u>canonical</u> ~~user~~-interface in the second data file.

15. (Original) The system of claim 14, further comprising means for storing
20   the second data file in a uniform database.

16. (Original) The system of claim 14, further comprising means for providing voice output corresponding to the interface specific sentences.

25   17. (Original) The system of claim 16, further comprising means for communicating the voice output to a telephone.

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18. (Original) The system of claim 14, wherein the means for providing a second data file comprises means for applying a lexical entry transformation table to transform the obtained data into a common semantic form.

5 19. (Currently Amended) The system of claim 14, wherein the means for generating ~~user-interface-specific~~ grammatical sentences comprises means for applying various generation grammars to create interface specific sentences. .

20. (Currently Amended) A method <u>for</u> ~~of~~ taking data from one format to any
10 of a variety of interface dependent formats, ~~the method~~ comprising <u>the steps of</u>:

obtaining data from a network of computers;

creating a first data file with the obtained data in a first format <u>by applying</u> <u>text patterns to the obtained data, wherein said first data file is in a transformed</u> <u>and semantically structured format</u>; and

15 generating grammatical phrases from the converted obtained data according to a ~~specific~~ <u>canonical structure</u> ~~user-interface~~, the generated grammatical phrases being in a second format associated with <u>a</u> ~~the~~ specific user interface.

20 21. (Previously Amended) The method of claim 20, further comprising communicating voice output corresponding to the generated grammatical phrases.

22. (Previously Amended) The method of claim 20, further comprising storing
25 the first data file and the generated grammatical phrases in a database.

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23.   (Original)   The method of claim 20, wherein the step of obtaining data from a network of computers comprises obtaining data from the Internet.

24.   (Currently Amended) A system for ~~of~~ taking data from one format to any of
5   a variety of interface dependent formats, the system comprising:

means for obtaining data from a network of computers;

means for creating a first data file with the obtained data in a first format by applying text patterns to the obtained data, wherein said first data file is in a transformed and semantically structured format; and

10   means for generating grammatical phrases from the converted obtained data according to a ~~specific~~ canonical structure ~~user interface~~, the generated grammatical phrases being in a second format associated with a ~~the~~ specific user interface.

15   25.   (Previously Amended) The system of claim 24, further comprising means for communicating the generated grammatical phrases by voice to a remote communication device.

26.   (Original)   The system of claim 25, wherein the remote communication
20   device is a   telephone.

27.   (Previously Amended) The system of claim 24, wherein the means for generating grammatical phrases from the obtained data comprises means for generating wireless application protocol (WAP) phrases.

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28.   (Original)   The system of claim 27, further comprising means for communicating WAP phrases to a WAP communication device.

29.   (Original)   The system of claim 24, further comprising means for
5   organizing a plurality of data files containing obtained data from the obtaining means.

30.   (Currently Amended) A computer program product comprising computer readable program code for taking data from one format to any of a variety of
10   interface dependent formats, the program code in the computer program product comprising:

first computer readable program code for obtaining data from a network of computers; ·

second computer readable program code for creating a first data file with
15   the obtained data in a first format by applying text patterns to the obtained data, wherein said first data file is in a transformed and semantically structured format; and

third computer readable program code for generating grammatical phrases from the converted obtained data according to a ~~specific~~ canonical
20   structure ~~user interface~~, the generated grammatical phrases being in a second format associated with a ~~the~~ specific user interface.

31.   (Previously Amended) The program code of claim 30, further comprising fourth computer readable program code for providing voice output corresponding
25   to the generated grammatical phrases.

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32. (Original) The program code of claim 31, further comprising fifth computer readable program code for communicating the voice output to a telephone.

5 33. (Original) The program code of claim 30, further comprising sixth computer readable program code for organizing a plurality of data files containing obtained data in the first format.

34. (Original) The program code of claim 30, wherein the first format 10 comprises a normalized and tagged format.

35. (Previously Amended) The program code of claim 30, wherein the generated grammatical phrases are in a web related format.

15 36. (Currently Amended) A method for generating sentences from transforming and canonicalizing semantically structured voice data, the method comprising the steps of:

using a user interface having a voice portal to obtain semantically structured data from a network of computers;

20 transforming and canonicalizing said semantically structured data;

applying text patterns to said transformed and canonicalized the obtained data and placing the data in a first data file;

providing a second data file containing the obtained data in a uniform format; and

25 generating grammatical sentences from the data according to a specific user interface in the second data file.

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37.   (Previously Presented) The method of Claim 36, wherein said step of using a user interface having a voice portal to obtain data comprises:

    sending voice command to said network of computers.

5   38.   (Previously Presented) The method of Claim 37, wherein said step of using a user interface having a voice portal to obtain data comprises:

    receiving at least part of said grammatical sentences.

39.   (Previously Presented) The method of Claim 38, wherein said voice portal
10   comprises any of:

    a cell phone; and

    a plain old telephone service.

40.   (Previously Presented) The method of Claim 37, wherein said voice portal
15   uses word-based automatic speech recognition.

41.   (Currently Amended) ~~The method of Claim 37~~A method for transforming and canonicalizing semantically structured data, the method comprising the steps of:

20   using a user interface having a voice portal to obtain data from a network of computers~~:~~, wherein said step of using a user interface having a voice portal to obtain data comprises sending voice command to said network of computers, wherein said user interface further comprises at least one of the steps of:

    identifying said user with a phone number;

25   starting a new session for said user;

    adding a new interaction;

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updating a preference of said user within a domain;

enabling said preference of said user within said domain;

disabling said preference of said user within said domain;

updating an expertise level of said user;

5   updating personal information of said user;

updating session state of said user;

adding credit card information of said user; and

updating said credit card information of said user-;

applying text patterns to the obtained data and placing the data in a first

10 data file;

providing a second data file containing the obtained data in a uniform format; and

generating grammatical sentences from the data according to a specific user interface in the second data file.

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42.   (Previously Presented) The method of Claim 36, further comprising the steps of:

notifying a customer management subsystem of abnormal termination of said user interface; and

20   returning session state of said user upon resuming session.

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